

MEETING SUMMARY

DATE: September 20, 2005

TIME: 9:00 a.m. - 4:00 p.m.

PLACE: Former Lucky Mc Mine
Fremont County, WY

PURPOSE: To discuss Construction Completion Report Application for
Lucky Mc Mill Site

ATTENDEES: Julia M. Barto, NRC/NMSS
Ted Johnson, NRC/NMSS
Goodluck Ofoegbu, CNWRA
Tom Pauling, Department of Energy
Mark Plessinger, et al., Stoller
Tom Hardgrove, et al., Pathfinder Mines Corporation

BACKGROUND:

License Condition 54 (P) requires, in part, that a completion report including as-built drawings verifying that reclamation activities at the site had been performed according to the approved plan, shall be provided to the Nuclear Regulatory Commission (NRC) within 6 months of the completion of construction. By letter dated April 21, 2005, the licensee submitted the project completion report for the Lucky Mc Uranium Mill to NRC for review. The site visit was needed to verify results of the staff's evaluation of the completed reclamation of the tailings disposal site as documented.

DISCUSSION:

The purpose of the meeting was to verify results of the staff's evaluation of the completed reclamation of the tailings disposal site as documented in the Pathfinder Mines Corporation report entitled, *Lucky Mc Mine Tailings Reclamation Project Completion Report*. The staff's evaluation focuses on the geotechnical engineering, surface water hydrology, erosion protection, and radiation cleanup and control aspects of reclamation construction and corresponding determinations of compliance with the plans and specifications of the reclamation and closure plan and NRC's standards for reclamation in 10 CFR Part 40, Appendix A.

Pathfinder Mines Corporation representatives provided the NRC staff with a verbal presentation of reclamation activities that had been performed to date at the Lucky Mc site. The NRC staff was also given a site tour.

The Pathfinder Lucky Mc Uranium Mill operated from 1958 until 1988. Decommissioning activities on the mill site began in July 1993. As part of the reclamation process, the licensee characterized 210 acres as the affected windblown contaminated soil area. The licensee completed windblown soil cleanup activities, confirmatory surveys, and soil analyses for

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radium-226 in May 1997. As part of the cleanup activities approximately 550,000 cubic yards of windblown material were removed and placed at the toe of Tailings Pond 2A. The site had six tailings ponds, three of the ponds (1, 2, and 2A) were used for solid waste tailings disposal, and the other three (3, 3A, and 4) were used for solution disposal from groundwater sweep, surface water runoff, and construction waste water.

The licensee specifically pointed out the radon barrier on Tailings Ponds 4, and well abandonment activities of the groundwater monitoring wells.

ACTIONS:

- Item No. 1 Pathfinder Mines Corporation plans to submit supplemental information to the construction completion report; specifically, survey data from the no. 4 evaporation pond.
- Item No. 2 Pathfinder Mines Corporation plans to submit electronic files (and/or large color paper copies) of all the large-size color maps in the construction completion report.